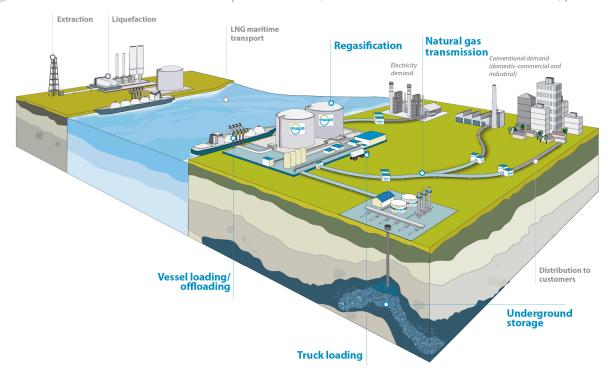


# **ENAGAS – 45 YEARS OF EXPERIENCE**

# A Midstream Company

#### Natural Gas Infrastructure Leader

Our technological skills, expertise, leadership and experience in managing gas infrastructure development, operations and maintenance, combined with our sound financial structure, position us as a leading international player.



European Union-Accredited Independent TSO

**Top Natural Gas Transmission Company** in Spain

**Technical Manager** of Spain's Gas System



# **ENAGAS – OUR CURRENT MARKETS**













# **ENAGAS – OUR LNG ACTIVITIES**

LNG terminals (+ 2 more in development)

# Global leader in number of LNG receiving terminals

We have constructed **13 LNG Storage Tanks** over the past ? years
or
Over the years we have/Enagas has
constructed **13 LNG Storage Tanks** 



### LNG MARKET

## Currently gloomy but growing and becoming more relevant

(Industry adaption required)

#### **Currently gloomy...**

- Low prices, driven by demand deceleration and oil price collapse (especially in Asia), challenging LNG supply economics
- · New wave of LNG supply under construction (US; AUS) increasing price pressure under uncertain demand growth, especially in Asia
- Europe, as the last resort LNG market...but challenges remain: Weak demand; Russia export strategy
- New glut of planned LNG capacity looking for demand beyond 2020

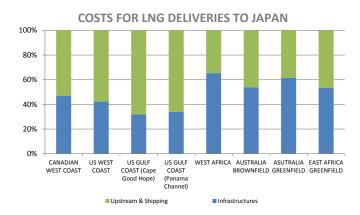
#### but growing and becoming more relevant...

- LNG supply has grown faster than any other source of gas at an average 7% per year since 2000, achieving a 33% share of global gas trading
- Supply abundance and diversity should help to enhance a true global market, increasing "connectivity" and liquidity, while arising as a growing relevant tool for security of supply

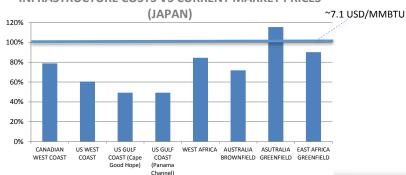
#### if the industry adapts

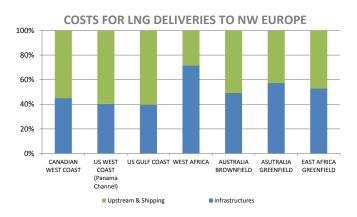
- Need for creating demand, beyond big markets such as Europe or China: new importing countries and new sectors (i.e.: bunkering)
- Need for adapting infrastructures and business models to a low-cost highly-flexible environment

# INCREASING RELEVANCE OF INFRASTRUCTURE COSTS

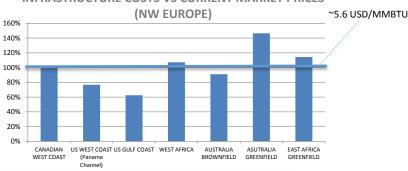


#### **INFRASTRUCTURE COSTS VS CURRENT MARKET PRICES**





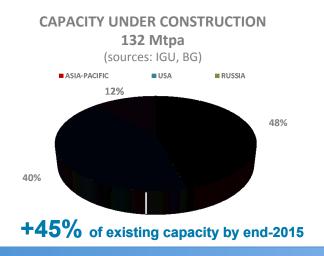
#### **INFRASTRUCTURE COSTS VS CURRENT MARKET PRICES**

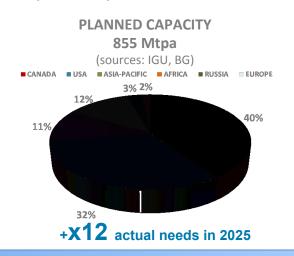


Infrastructure cost reduction strategies are key factors for gaining competitive advantages in the market place and a break even element under the current context of prices

# **GLUT LIQUEFACTION CAPACITY LOOKING FOR NEW DEMAND**

Supply abundance and slowing uncertain demand pose new challenges for liquefaction plants





#### **CHALLENGES**

Huge competitive pressure for planned/proposed plants

Buyer's market, high spot/short term liquidity: lower need for long-term off-take contracts

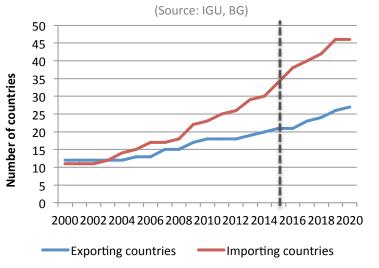
The new market context requires a transformation of liquefaction plant business models geared towards low-cost highly-flexible models, deeper pockets and higher engagement in demand creation.



# RELEVANT UNTAPPED DEMAND IN NEW IMPORTING COUNTRIES

**Growing prospects, but high market risks** 

#### **GROWTH OF EXPORTING AND IMPORTING COUNTRIES**

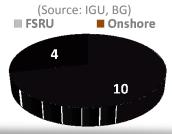


Need for adaptation: The emerging role of FSRU

#### **NEW LNG TERMINALS IN THE LAST DECADE**



#### PLANNED TERMINALS IN NEW IMPORTING COUNTRIES



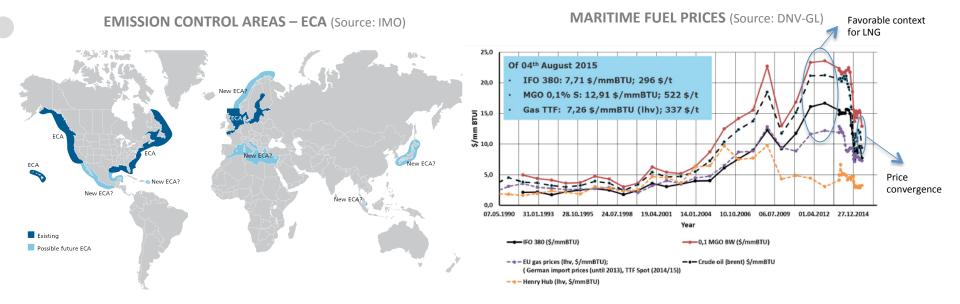


# **OPENING NEW CONSUMING SECTORS**

### **Bunkering: the low-hanging fruit**

The environmental driver...

The price (+ other) challenge (s) ...



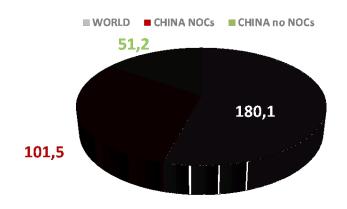


## THE EMERGING ROLE OF NON-NOC PLAYERS IN CHINA

#### New BIG guys in the market...

#### **REGASIFICATION CAPACITY (MTPA)** UNDER CONSTRUCTION AND PLANNED

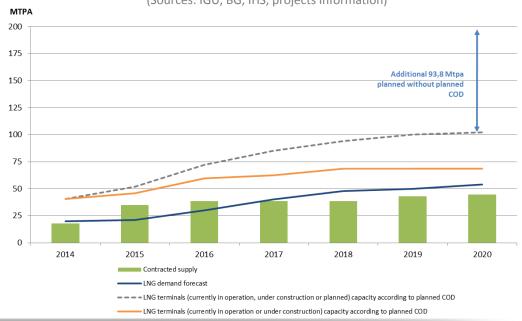
(Sources: IGU, BG, IHS, projects information)



#### but market challenges lie ahead

#### LNG DEMAND PROSPECTS, REGAS CAPACITY AND CONTRACTED SUPPLY

(Sources: IGU, BG, IHS, projects information)



Emerging non-NOC players could play a relevant role in fostering demand growth but need to partner with international enages players - LNG terminal developers are needed to ensure adequate development/operation of selected assets



#### **EUROPE** Balancing the global market while diversifying supply High spare LNG import capacity... but there is a need for additional targeted infrastructures: most of this spare capacity does not provide relevant supply diversification However, most of these new infrastructures are 'sub-commercial': Klaipeda Teesside GasPort weak demand; Russian gas competitiveness Swinoujscie Isle of Grain South Hook Dragon Montoir de Bretagne exiting LNG terminal El Musel Bilbao Fos Cavou Adriatic dependence on Russian gas 100-75% Mugardos 📄 dependence on Russian gas 75-25 % Panigaglia Barcelona dependence on Russian gas < 25 % Marmara Ereglisi congested bottlenecks Sagunto Aliaga Sines Revithouss Huelva Cartagena Source: Own elaboration using data from: GLE; Hadera Gateway ACER: Gazprom: Energy Community: BP: Eurogas





## CONCLUSIONS

#### **Currently challenging market environment...**

- The combination of demand weakness and supply growth positions LNG prices to likely remain low in the near future
- The current oversupply in the LNG market was not the consequence of a conscious strategy decision and may result in a major value loss for some investors
- Consequently, at current prices new projects will struggle to get off the ground

#### but growing and becoming crucial for the future of gas

- There is an opportunity for the global industry to develop more efficient, transparent and competitive LNG markets, which
  would indeed the best way to support future growth for gas consumption.
  - The rise of more diversified pricing/contractual structures is positive and points to increased flexibility and maturity
  - Gas trading conditions in Asia are steadily improving both in terms of liquidity and price transparency. More mature spot markets can provide the robust platform for the development of future markets
  - In the meantime, the value chain will have to quickly adapt to this new environment to actively contribute to demand creation and succeed amidst fierce competition
  - Infrastructure cost reduction arises as a key competitive advantage due to its growing weight in the total cost
  - Governments will have to make an increased effort in the coming years in order to support the development and reinforcement of both their physical and regulatory gas infrastructures







Thank you for your attention!

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